




CITY OF HEREFORD

1949

Annual Report
OF THE
**Medical Officer of
Health**

THE HEREFORD TIMES LTD., PRINTERS



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CITY OF HEREFORD

HEALTH COMMITTEE

Alderman W. PIGOTT, Mayor.

Councillor Mrs. J. AINSLIE, Chairman.

Councillor Rev. L. J. B. SNELL, Deputy Chairman.

Alderman W. H. GREEN.

Alderman R. C. MONKLEY.

Alderman T. LINDSEY PRICE.

Councillor E. O. S. D'LOIRA.

Councillor P. B. MORGAN.

Councillor G. W. RUSSELL.

HOUSING ACTS COMMITTEE

Alderman W. PIGOTT, Mayor and Chairman.

Councillor A. E. FARR, Deputy Chairman.

Councillor Mrs. J. AINSLIE. Councillor H. E. PILE.

Councillor R. BROWNBRIDGE. Councillor G. W. RUSSELL.

Councillor C. J. GOODING. Councillor H. C. WATKINS.

Councillor A. F. M. WATKINS.

with Mrs. B. A. BARKER and Mrs. HEDLEY PEARCE.

T. B. FELTHAM, Town Clerk.

CITY OF HEREFORD

1949

GENERAL PROVISION OF HEALTH SERVICE FOR THE AREA.

<i>Name and Qualifications</i>	<i>Office held</i>	<i>Whole or Part</i>	<i>Other Public Office</i>
R. T. THOMSON, M.A., M.B.,Ch.B., D.P.H.	Medical Officer of Health	Part	Assistant County Medical Officer
J. LEACH, M.R.S.I., M.S.I.A.	Chief Sanitary Inspector	Whole	
E. O. EDWARDS, Cert.R.S.I., M.S.I.A.	1st Additional Sanitary In- spector	Whole	
R. L. PUGH, Cert.R.S.I. M.S.I.A.	2nd Additional Sanitary In- spector	Whole	
F. G. D. CHALMERS, M.A., B.Sc., F.I.C.	City Public Analyst	Part	

*Public Health Department,
Town Hall Annexe.*

TO THE
**RIGHT WORSHIPFUL THE MAYOR, ALDERMEN AND
COUNCILLORS OF THE CITY OF HEREFORD**

I have the honour to submit to you the Annual Report on the Health of the City for the year 1949, as required by the Sanitary Officers (Outside London) Regulations, 1935, on the lines laid down in the Ministry of Health Circular 2/50. It includes the report on sanitary matters by the Chief Sanitary Inspector.

Vital Statistics

The Birth Rate showed a slight increase as compared with 1948 (19.83 as against 19.19) while the Birth Rate for England and Wales was 16.7.

The Death Rate was 11.31 as against 11.34 for 1948, and 11.7 for England and Wales.

The Infantile Mortality Rate was 23.44 per 1,000 live births as compared with 39.73 for 1948 and 32.0 for England and Wales.

The estimated population at mid-year 1949 was 32,280, which shows a very slight increase over 1948 (32,150).

Attention is drawn to the drop in the Infant Mortality Rate as compared with 1948 (23.44 per 1,000 live births, in 1949, 39.73 in 1948) and the comparison with the national figure of 32.

Housing

During the year 104 houses were completed by the local authority and 2 by other bodies and persons.

36 dwelling houses subject to Demolition or Clearance Orders were occupied under licence, 26 as dwelling houses and 10 for non-residential purposes.

The number of houses awaiting demolition under Demolition or Clearance Orders is 92.

Five condemned houses are occupied by squatters without licences or consent of the owners.

Infectious Disease

Notifiable infectious disease has not been prevalent during the year.

The fall (commented upon last year) in the number of cases of Measles notified during the year has continued, while the cases of Whooping Cough notified have dropped to one quarter of the figure for 1948.

Four cases of Poliomyelitis (Infantile Paralysis) were notified, as compared with none in 1948 and 8 in 1947.

* * * *

In conclusion I should like to express my gratitude for the sympathy and consideration you have given to all matters laid before you.

Also I wish to express my appreciation of the co-operation received from my colleagues in your service, and of the loyalty, willingness and enthusiasm shown by all members of my staff.

I have the honour to remain,

Your obedient servant,

ROBERT T. THOMSON, M.A., M.B., CH.B., D.P.H.

SECTION A.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area	...	...	...	...	...	...	5,031 acres
Registrar-General's Estimate of Resident Population 1948 :—							
(a) For calculation of Birth-Rate...				...			32,280
(b) For calculation of Death-Rate				...			32,280
Number of Inhabited Houses			...	...	...		8,248
Rateable Value	...	...	...	...	...		£255,736
Sum represented by a penny rate	...	...	...	...	...		£1,028

VITAL STATISTICS.

			<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Live Births—Legitimate	...	...	309	298	607
Illegitimate	...	...	19	14	33
Still Births	...	...	14	4	18
Rate per 1,000 total (live and still) births				...	19.83
Death Rate per 1,000 of the estimated resident population					11.31
Death Rate of Infants under one year of age—					
All Infants per 1,000 live births	...	...	...	...	23.44
Legitimate Infants per 1,000 legitimate live births...					23.06
Illegitimate Infants per 1,000 illegitimate live births...					30.30
Deaths from Cancer (all ages)	...	...	...	...	52
Deaths from Whooping Cough (all ages)	...	...	...	...	0
Deaths from Diarrhoea (under 2 years)	...	...	...	...	2

INFANTILE MORTALITY

15 Infants died before reaching the age of 12 months. The Infantile Mortality Rate per 1,000 live births was 23.44. The Infantile Mortality Rate for England and Wales was 32.

The causes of death were :—

			<i>Males</i>	<i>Females</i>
Whooping Cough	...	...	—	—
Broncho Pneumonia	...	...	1	1
Malformation	...	...	3	3
Prematurity	...	...	1	3
Gastro-enteritis...	...	...	2	—
Other Causes	...	...	—	1
			<hr/> 7 <hr/>	<hr/> 8 <hr/>

MATERNAL MORTALITY—Nil.

PUERPERAL MORBIDITY—There were 4 cases of Puerperal Pyrexia.

(The Chief Sanitary Inspector's Report is embodied in Sections B, C and D.)

SECTION B.

SANITARY CIRCUMSTANCES IN THE AREA

WATER SUPPLY

CORPORATION WATERWORKS

The supply is taken from the river Wye and treated by settlement, filtration through slow sand filters and chlorination.

The position with regard to the Broomy Hill Works remains substantially as it did twelve months ago. Some progress has been made in regard to the important problem of the wastage of water, and by the end of 1949 the use of No. 5 Filter Bed had been reduced to a minimum. Furthermore, proposals are well in hand for restoring to use the battery of mechanical filters following consideration of their usefulness with the manufacturers. A further important step which has been taken has involved the introduction of new, and the repair of existing, recording meters, in order to establish the exact amount of water being pumped from the Lower to the Upper Works, and also the quantity of water which is being supplied from the Upper Works. A report has been prepared, and has received preliminary consideration, on the possibilities of a complete reconstruction, but whilst such a scheme would undoubtedly involve a considerable improvement in all directions, the economics of such a proposal under present conditions will doubtless prove to be the deciding factor.

On the distribution side, the main work undertaken has comprised the laying of 500-yards of 4 in. main on the Holmer Street Housing Site, the work in connection with the 10 in. and 6 in. mains to Messrs. Bulmer's works in Ryeland Street, the laying of 375 yards of 3 in. and 4 in. mains on the Hunderton Housing Estate, and small extensions in Aylestone Hill and on the Fayre Oaks Estate.

The water supply to the area has been satisfactory (a) in quality, (b) in quantity.

BACTERIOLOGICAL EXAMINATIONS

CITY SUPPLY

One hundred samples of the treated water were submitted for examination at regular intervals.

Streptococci were absent from 10.0 ml. in all samples.

Coliform bacilli were absent from 100 ml. in 92 samples.

The reports on the remaining eight samples are given below :—

Sample No. Dated	Probable number of coliform bacilli, MacConkey 2 days 37°C. per 100 ml.	Approximate proportions of Fæcal and Non-Fæcal coli.	
		Fæcal coli per cent.	Non-Fæcal coli per cent.
2313/49 14th February, 1949	160	10	90
13024/49 29th August, 1949	25	0	100
16107/49 24th October, 1949	8	0	100
16108/49 24th October, 1949	1	0	100
16255/49 26th October, 1949	160	76	24
16495/49 31st October, 1949	1	0	100
16816/49 7th November, 1949	1	0	100
19164/49 19th December, 1949	1	100	0

In all cases of unsatisfactory water samples, consultation with, and action by, the Waterworks Engineer resulted in the normal purity of the water being restored.

R.A.F. SUPPLY, CREDENHILL

Twelve check samples were taken throughout the year. In all samples B. Coli were absent in 100 ml. and streptococci were absent from 10.0 ml.

The result of a chemical analysis is given below :

pH value = 7.0.

CHEMICAL ANALYSIS

					<i>Parts per</i> 100,000
Free Ammonia	...	...	...	...	0.000
Albuminoid Ammonia	...	...	...	...	0.0016
Chloride	...	...	...	...	1.2
Nitrate	...	...	...	...	Trace
Oxygen absorbed in 4 hrs. at 80° F.	...	...	...	...	0.026
Total Solid Matter	...	...	...	...	14
Nitrite	...	...	...	...	Absent
Alkalinity (as CO ₃) (to M.O.)	...	...	...	...	2.4
Calcium (Ca)	...	...	...	...	1.24
Magnesium (Mg)	...	...	...	...	0.20
Saturation Index	...	...	...	...	- 1.9
Temporary Hardness	...	...	...	...	2.2°
Permanent Hardness	...	...	...	...	5.0°

(Signed) BOSTOCK, HILL & RIGBY,
Public Analysts.

All premises in the City, with the exception of 8 houses supplied from wells, receive the supply direct from the Corporation water mains.

DRAINAGE AND SEWERAGE

The outstanding feature continues to be the construction of the new Works, which have made reasonable satisfactory progress during the year. The second stage of the complete scheme has been advertised and tenders will be considered at an early date.

Apart from normal maintenance work and the extensions of sewers in connection with new housing development, there is nothing particular to report in connection with sewerage. It is perhaps not irrelevant, however, to observe that certain experiences during the year have again drawn attention to the more urgent necessity of the northern area sewer scheme going forward as soon as circumstances permit.

The provisions of the Public Health Act, 1936, and Hereford Corporation Act, 1936, are operated to maintain the drainage of private properties.

CLOSET ACCOMMODATION

There are 63 dwelling houses and one factory (saw mill) all outside the City Sewerage System, making use of conservancy closets. All other premises are provided with water closets.

PUBLIC CLEANSING AND SALVAGE

This has been a difficult year in regard to refuse collection in particular, and these difficulties have obviously been reflected in the disposal arrangements. The factors which have principally affected the collecting arrangements have been, first, the rescinding of the byelaw regarding the responsibility of householders to place their receptacles on the footpath, secondly, the rather sudden and unexpected change regarding waste paper, which resulted in the special collections of this material being dropped, and thirdly, the introduction of a charge for trade refuse. The repercussions of all these major alterations are still manifest, and have required firstly temporary changes in the collecting arrangements, and ultimately a more permanent scheme which can only be determined after a period of experiment.

On the disposal side, the changes in collecting arrangements are obviously reflected in particular in the amount of refuse which is now being received. The weaknesses of the disposal plant have been clearly demonstrated in regard to the provisions for receiving the refuse and in the method of stoking. A report is to be considered by the Roads Committee on the modernising of this plant, although it is recognised that economic consideration may frustrate our efforts to bring about these improvements.

Generally speaking, the salvage position has maintained a fairly high level with, of course, a sharp drop in the amount of paper received. The provisions for dealing with kitchen waste, however, show a much more progressive state of affairs, and serious consideration is being given to a Board of Trade suggestion for improving the method of processing kitchen swill which is received.

SANITARY INSPECTION OF THE AREA

The number and nature of inspections made during the year :

Nuisances (including inspections of drainage,
sewers, sanitary conveniences and dustbins) 1,120

Housing—

General	123
Requisitioning of Properties	28
Tents and Vans	48
Infectious Disease... ..	75
Factories Act	88
Outworkers	10
Food Preparing Places, including bakehouses...	647

Unsound Food	271
Ice Cream Premises	258
Dairies, Cowsheds and Milk Shops	136
Milk (Special Designations) Orders	57
Public Slaughterhouse	612
Stables and Piggeries	5
Offensive Trades	13
Public Conveniences	197
Cinemas	14
Verminous Houses	28
Smoke Observations	91
Shops Act	130
Water Supplies	127
Rodent Control	47
Food and Drugs Act (Sampling)	216
Petroleum and Explosives Acts	193
Rag Flock Acts	4
Rivers Pollution	152
Miscellaneous	287
Total	4,977

The following table shows the number of notices served and complied with :—

NOTICES SERVED

Statute	Notices not complied with at end of 1948	Notices served during 1949		Complied with during 1949	Notices not com- plied with at end of 1949
		Statutory	Informal		
Public Health Act ...	12	41	244	279	18
Factories Act ...	6	14	—	12	8
Shops Act	—	2	12	12	2
Hereford Corp. Act ...	—	19	—	19	—
Food and Drugs Act ...	16	—	66	68	14
Milk and Dairies Order	—	—	13	13	—
	34	76	335	403	42
		411			

NUISANCES AND DEFECTS FOUND

HEREFORD CORPORATION ACT, 1936

Choked Drains

PUBLIC HEALTH ACT, 1936

Public Sewers stopped up	5
Drainage defects	37
Defects to Sanitary Conveniences	34
General Nuisances, including Housing defects, burst water pipes and accumulation of refuse, etc. ...	227
Lack of proper Dustbins	162

FOOD AND DRUGS ACT, 1938

Contraventions of Section 13	69
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MILK AND DAIRIES ORDER, 1926

Want of limewashing, etc.	10
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FACTORIES ACT, 1937

Contraventions of Part I	20
---------------------------------	----

SHOPS ACT, 1934

Contraventions of Section 10	12
Statutory forms not exhibited	2

RIVERS POLLUTION PREVENTION ACT, 1876

Pollution by trade effluents	2
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BYE LAWS

Tents, Vans and Sheds	1
Transport of food	1

ERADICATION OF BED BUGS

Nine privately owned and 16 Council houses were disinfested by the use of "Thermatox" fumigators, D.D.T., Gammexane and Lethane 384 Special.

PUBLIC BATHS

The water in the swimming pool is filtered and chlorinated. Samples of the water are sent for bacteriological examination monthly. Streptococci were absent from 10.0 ml. in all twelve samples, but coliform bacilli were present in one sample taken on the 4th July. Contact was made with the Baths Superintendent and subsequent samples proved satisfactory.

PUBLIC CONVENIENCES

All public conveniences in the City are controlled by the Health Committee.

FACTORIES ACT

1.—INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH.

<i>Premises</i> (1)	<i>Number on Register</i> (2)	<i>Number of</i>		
		<i>Inspections</i> (3)	<i>Written Notices</i> (4)	<i>Occupiers Prosecuted</i> (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ...	44	22	5	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	160	64	8	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	6	2	1	—
Total ...	210	88	14	—

2.—DEFECTS FOUND.

Particulars (1)	Found (2)	Remedied (3)	Number of Defects		Prosecu- tions (6)
			Referred		
			by H.M. Inspector (4)	to H.M. Inspector (5)	
Want of Cleanliness (S.1)	1	1	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Tempera- ture (S.3) 	—	—	—	—	—
Inadequate Ventilation (S.4) 	—	—	—	—	—
Ineffective Drainage of Floors (S.6) 	—	—	—	—	—
Sanitary Conveniences (S.7)—					
Insufficient 	5	5	1	—	—
Unsuitable or Defective	8	6	3	—	—
Not Separate for Sexes	—	—	—	—	—
Other Offences 	—	—	—	3	—
Total 	14	12	4	3	—

3.—OUTWORKS PREMISES.

Number of Visits ...	13
Number of Notices ...	Nil

SHOPS ACT—SANITATION

Number of Visits to Shops ... 130

DEFECTS AND NUISANCES	<i>Found.</i>	<i>Remedied.</i>
Insufficient Ventilation	3	3
Unreasonably low temperature ...	—	—
Defective sanitary conveniences ...	5	5
Insufficient lighting	1	1
Lack of washing facilities	2	1
Insufficient sanitary conveniences	2	1
	—	—
Total ...	13	11
	—	—

OFFENSIVE TRADES

Number recorded in the City—

Fellmongers	2
Tripe Boilers	1
Gut Scrapers	1
Rag and Bone Dealers	1
Number of Inspections	13
Nuisances found	1
Nuisances abated	—

RAG FLOCKS ACT

There are no manufacturers of rag flock in the City.

Two samples were taken during the year, which were found to conform to standards of cleanliness laid down by the Regulations of 1912.

TENTS AND VANS

Number of occupied vans in the City at end of year	19
Number of visits and inspections... ..	48
Contraventions of Byelaws... ..	1

The sanitation is governed by bye-laws and the Public Health Act, and offences are brought to the notice of owners and occupiers.

During the Annual Fairs all the vans were visited and found satisfactory.

CAMPING GROUND

No licences have been granted for the use of any land as a camping site.

RODENT CONTROL

A comprehensive scheme is now operating whereby costs of treatments of business and commercial premises are recovered and private dwellings treated free of charge.

The following summarises the work done during the year :—

No. of premises treated under contracts...	...	166
No. of private dwellings treated ...	...	450
No. of refuse tips treated ...	...	3

In addition, frequent treatments have been carried out at Corporation properties, viz.: Sewage Disposal Works, Abattoir, Roads and Sewers Depôt and Refuse Destructor Works. Also two maintenance treatments were applied to the City Sewers.

SECTION C

HOUSING

NEW HOUSES

Number of new houses erected during the year :—

By the Local Authority ...	104
By other bodies or persons ...	2

INSPECTION OF DWELLING HOUSES DURING THE YEAR

(1) Total number of dwelling houses inspected for housing defects (under Public Health and Housing Acts) ...	127
Number of inspections made for the purpose...	575
(2) Number of dwelling houses (included under sub-head 1) which were inspected and recorded under the Housing Consolidated Regulations, 1925, and 1932 ...	2
Number of inspections made for the purpose...	8
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ...	2
(4) Number of dwelling houses (exclusive of those referred to under 3) found not to be in all respects reasonably fit for human habitation...	125

REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES

Number of dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers ...	115
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ACTION UNDER STATUTORY POWERS DURING THE YEAR

Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—

(1) Number of dwelling houses in respect of which notices were served requiring repairs ...	—
---	---

- (2) Number of dwelling houses which were rendered fit after service of formal notices :—
 By owners —
 By Local Authority in default of owners —

Proceedings under Public Health Acts :—

- (1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 12
 (2) Number of dwelling houses in which defects were remedied after service of formal notice—
 By owners 12

Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

- (1) Number of dwelling houses in respect of which Demolition Orders were made... .. —
 (2) Number of dwelling houses demolished in pursuance of Demolition Orders 2

Proceedings under Section 12 of the Housing Act, 1936 :—

- (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made —
 (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit —

In addition to the above :

- Number of houses closed on an undertaking of the owner under Section 11... .. —
 Number of houses awaiting demolition under Demolition Orders 26
 Number of houses demolished under Clearance Orders 2
 Number of houses awaiting demolition under confirmed Clearance Order... .. 66

HOUSING ACT, 1936, PART IV, OVERCROWDING

144 families were rehoused by the Housing Manager from overcrowded houses.

CLEARANCE AREAS

No action has been taken under Section 25, Housing Act, 1936, during the year.

LICENCES FOR RE-OCCUPATION

36 condemned houses are subject to licences for temporary occupation, 10 for storage purposes and 26 for habitation. Five condemned houses are occupied by squatters without licences or consent of owners,

SECTION D

INSPECTION AND SUPERVISION OF FOOD

MILK SUPPLY

Number of Dairy Farms in the City	...	...	12
Number of Milk Distributors	...	...	56
(a) Resident in the City	...	...	32
(b) Non-Resident in the City	...	...	24

SPECIAL DESIGNATIONS

Number of Retailers of Tuberculin Tested Milk...	5
Number of Retailers of " Channel Islands " Milk...	2
Number of Pasteurising Plants operating in the City	2
Number of Retailers of Pasteurised Milk...	3

Nineteen samples of pasteurised milk were examined at the Public Health Laboratory, fourteen of which complied with the provisions of the Regulations, but the remaining five samples failed to pass the Methylene Blue test.

BACTERIOLOGICAL EXAMINATION OF MILK

Twenty samples of milk were submitted to the Clinical Research Association Ltd., for complete bacteriological examination. Two samples were reported to contain Tubercle Bacilli. The information was immediately reported to the County Medical Officer of Health and the Ministry of Agriculture and Fisheries. Investigation at the farms gave negative results in each case.

ICE CREAM

HEREFORD CORPORATION ACT, 1936.

Registered Manufacturers and Purveyors.

The following table shows the numbers of manufacturers and purveyors registered with the Local Authority under the provisions of Section 104 of the Hereford Corporation Act, 1936, in 1948 and 1949. The numbers shown in the last column are those actively engaged in the business.

	<i>Class of Mix</i>	<i>No. Registered</i>		<i>Effective Number</i>
		1948	1949	
Manufacturers	Heat Treated Cold	17	16	8 } 12 4 }
Purveyors	Heat Treated Cold	65	80	51 } 55 4 }

15 vendors were registered under the Private Act during the year. The number of those actively engaged in the sale of ice cream has increased from 35 to 55.

24 vendors obtain their supplies locally, while 32 sell ice cream obtained from six sources outside the City.

ICE CREAM (HEAT TREATMENT, ETC.) REGULATIONS, 1947.

Analysis of Results for Period 1st May—31st December, 1949.

Samples have been taken for two types of analyses, namely chemical and bacteriological.

A. CHEMICAL ANALYSIS

A Ministry of Food Circular M.F. 3/49, dated 1st April, 1949, advised that additional supplies of sugar, and in certain cases, fats, had been made available to ice cream manufacturers on receiving a signed undertaking that their product had a minimum fat content of $2\frac{1}{2}$ per cent. Local Authorities were invited to co-operate with the Minister by submitting samples for chemical analysis and reporting thereon monthly.

23 such samples were taken in the City, all of which complied with this provisional standard of the Ministry of Food:—

TABLE A

Classification Fat Content %				Class of Mix		Whole Group
				Heat Treated	Cold	
Over 2.5	Below 3	...	...	—	1	1
„ 3	„ 4	...	...	2	1	3
„ 4	„ 5	...	...	5	2	7
„ 5	„ 6	...	...	4	2	6
„ 6	„ 7	...	...	4	1	5
„ 7	„ 8	...	...	—	1	1
Totals ...				15	8	23

The highest fat content recorded was 7.27 per cent. and the lowest 2.7 per cent., the average fat content being 5.08 per cent.

B. BACTERIOLOGICAL ANALYSIS

80 Samples were submitted to the Public Health Laboratory at Bath Street for bacteriological examination. 78 of these were subjected to the Methylene Blue Reduction Test, and graded accordingly. Comprehensive bacteriological examinations were also carried out on eight of the above 78 samples, as well as on the other two samples taken,

1. METHYLENE BLUE REDUCTION TEST

Provisional Grading.

TABLE B

Analysis of Results of all samples taken in the City.

<i>Type of Mix</i>	<i>Provisional Grade</i>				<i>Total</i>
	(1)	(2)	(3)	(4)	
Hot ...	29 (43.3%)	10 (14.9%)	10 (14.9%)	18 (26.9%)	67
Cold ...	2 (18.2%)	5 (45.4%)	3 (27.2%)	1 (9.1%)	11
	31 (39.7%)	15 (19.2%)	13 (16.7%)	19 (24.4%)	78

TABLE C

Analysis of Results of samples of ice cream manufactured within the City.

<i>Type of Mix</i>	<i>Provisional Grade</i>				<i>Total</i>
	(1)	(2)	(3)	(4)	
Hot ...	17 (50%)	4 (11.8%)	6 (17.6%)	7 (20.6%)	34
Cold ...	2 (18.2%)	5 (45.4%)	3 (27.2%)	1 (9.1%)	11
	19 (42.2%)	9 (20%)	9 (20%)	8 (17.7%)	45

TABLE D

Analysis of Results of samples of ice cream retailed in, but
manufactured outside the City.

<i>Type of Mix</i>	<i>Provisional Grade</i>				<i>Total</i>
	(1)	(2)	(3)	(4)	
Hot ...	12	6	4	11	33
Cold ...	—	—	—	—	—
	12 (36.4%)	6 (18.2%)	4 (12.1%)	11 (33.3%)	33

Table B shows the classification of 78 samples obtained in the City which have been subjected to the Methylene Blue Test. Samples placed in Grades 1 and 2 are deemed satisfactory ; those in Grades 3 and 4 unsatisfactory.

It will be seen that 59 per cent. of the samples fall into Categories 1 and 2.

Table C classifies the 45 samples of ice cream manufactured within the City. 62.2 per cent. of these were satisfactory.

33 samples of ice cream retailed in, but manufactured outside the City are classified in Table D. 54.5 per cent. of these were satisfactory.

(2) COMPREHENSIVE BACTERIOLOGICAL EXAMINATION

Eight of the above 78 samples were also subjected to full bacteriological examination. In 2 samples Coliform Bacilli were present in 1/100 ml., but were not identified in the other six samples.

Two other samples on examination yielded a good mixed growth of staphylococcus aureus (coagulase positive), staphylococcus albus, diphtheroids, B. Coli and anthracoids. No organism of the enteric, salmonella or dysentery groups were isolated.

During the course of investigations into unsatisfactory samples of ice cream, two samples of washings from containers were taken to check the efficiency of the sterilisation of equipment. In one such sample, coliform bacilli were present in 1/100 ml.

GENERAL

In all cases the Heat Treatment Regulations are being complied with, and traders generally have made every effort to maintain a high standard of hygiene demanded by the provisional grading.

The number of Grade 4 samples reported can be accounted for by the concentration of sampling on the products of 5 traders, two of whom appeared before the Health Committee.

Where samples of ice cream manufactured in the City were placed in low categories it has been the practice to make a special investigation of the plant, and samples of ice cream and washings from containers were taken at different stages of manufacture to indicate sources of contamination. Such traders have appreciated the advice given on these occasions. Further samples were invariably of a high standard.

Unsatisfactory samples of ice cream manufactured outside the City were reported immediately to the vendor with a request that the manufacturer be notified so that investigation into methods of processing, storage and distribution could be made forthwith. Recurring unsatisfactory samples were reported to the manufacturers concerned, and the Health Departments in those areas, with a request for their observations.

MEAT AND OTHER FOODS

Number of butcher's shops in the City	36
Number of Preserved Food preparing premises registered under Private Act	39
Number of fish-fryer's premises in the City ...	10

There are no private slaughterhouses in the City and the Public Abattoir is occupied by the Ministry of Food. The provisions of the Slaughter of Animals Act, 1933, are strictly enforced.

FOOD TRANSPORT

The transport of food is controlled by the City Bye-law and the Public Health (Meat) Regulations 1924. Constant supervision of vehicles was maintained.

CARCASES INSPECTED AND PROPORTION CONDEMNED FOR TUBERCULOSIS AND OTHER CONDITION AT THE CITY ABATTOIR, STONEBOW ROAD.

	<i>Beeves</i>	<i>Calves</i>	<i>Sheep and Lambs</i>	<i>Pigs</i>
Number killed	3,828	2,563	13,931	1,510
Number Inspected	3,829	2,564	14,057	1,532
<i>All Diseases except Tuberculosis—</i>				
Whole carcasses condemned	142	71	236	15
Carcasses of which some part or organ was condemned	2,401	34	1,752	184
Percentage of the Number Inspected affected with disease other than T.B.	66.41	4.09	14.14	12.92
<i>Tuberculosis only—</i>				
Whole carcasses condemned	51	7	—	—
Carcasses of which some part or organ was condemned	383	2	—	122
Percentage of the Number Inspected affected with Tuberculosis	11.33	0.35	—	7.96

WEIGHT OF DISEASED AND UNSOUND MEAT CONDEMNED

	<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>Lbs.</i>
Home Killed	82	4	0	10
Imported	0	6	2	26
Total	82	10	3	8

The whole of this meat was disposed of through Ministry of Food channels for processing and recovery purposes.

IMPORTED MEAT

During the year the following quantities of imported meat were received at the Public Abattoir by the Midland Wholesale Meat Supply Association Ltd. for distribution to the retail and manufacturing trades :—

6,398 Quarters of Beef	27,529 Lambs
4,382 Sheep	371 Pigs

Approximately 1,998 packages of meat (200,000 lb.) for manufacturing purposes.

AREAS SUPPLIED WITH MEAT

In addition to the City the following County districts are supplied with meat from the Abattoir :—

Hereford, Bromyard, Dore and Bredwardine, Ledbury, Ross-on-Wye.

The whole population served is approximately 93,000.

TUBERCULOSIS ORDER 1938

17 animals were examined under this Order during the year. In 11 cases the lesions were generalised and condemnation of the carcase and all organs occurred.

NOTIFICATION OF TUBERCULOSIS IN CALVES SCHEME

The scheme whereby cases of Generalised Tuberculosis in calves slaughtered at the City Abattoir were reported to the Animal Health Division of the Ministry of Agriculture and Fisheries was continued. In 5 cases the infection proved to be congenital, the dams of the calves were found on post-mortem examination to be affected with Tuberculosis and the carcasses condemned.

EMERGENCY SLAUGHTER OF ANIMALS

Included in the numbers of animals killed and inspected at the Abattoir are those of animals sent in for emergency slaughter :—

<i>Beeves</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>	<i>Total</i>
671	412	1,330	294	2,707

This is an increase of 696 on 1948.

OTHER FOODS INSPECTED AND SURRENDERED

		<i>Tons</i>	<i>cwts.</i>	<i>qrs.</i>	<i>lbs.</i>
Various Canned Foods	...	2	13	2	14½
Meat Products	...		4	3	3
Wet Fish	...		17	2	13
Cured Fish	...		6	0	7
Shell Fish	...		1	0	8½
Jam and Marmalade	...		1	2	19½
Butter	...		4	0	14
Cheese	...			1	21
Bacon	...			1	27
Dried Fruit	...		7	0	24
Vegetables	...	3	11	0	0
Cereals	...		14	0	8¾
Pickles and Sauces	...		3	0	2¼
Poultry	...		1	2	0½
Flour Confectionery...	...			1	22
Miscellaneous Foods	...			2	16
Total	...	9	7	3	5

Where possible all condemned foods are salvaged for re-processing or use as animal feeding stuffs.

RECORD OF INSPECTIONS

Meat Inspections at Abattoir	...	...	...	...	612
Inspections of other Food	...	...	...	...	271
Inspections of Food Preparation Premises, etc., including Bakehouses	...	...	...	...	647
Inspections of Dairies and Cowsheds	...	...	...	...	136

CLEAN FOOD CAMPAIGN

The lectures given to food handlers during 1948 are still bearing fruit. Good co-operation between the trades and this department has continued and many improvements have been carried out as a result.

To maintain high standards of cleanliness, much depends on the managers and supervisors of food businesses. Inspectors have, therefore, concentrated on talks with such persons during routine visits.

FOOD AND DRUGS ACT, 1938

SAMPLING OFFICER'S REPORT

The following table shows the number and nature of the articles submitted to the Public Analyst during the year and the results of the analysis:—

<i>Article</i>	<i>No. Submitted</i>		<i>No. Genuine</i>		<i>No. Adulterated</i>	
	<i>Formal</i>	<i>Inf.</i>	<i>Formal</i>	<i>Inf.</i>	<i>Formal</i>	<i>Inf.</i>
Milk, Ordinary	29	—	29	—	—	—
Milk, T.T.	10	—	10	—	—	—
Milk, Channel Islands	3	—	3	—	—	—
Milk, Pasteurised	1	—	1	—	—	—
Self-raising Flour	5	—	5	—	—	—
Beef Sausages	6	—	5	—	1	—
Beef Sausage Meat	2	—	2	—	—	—
Ground Almonds	1	—	1	—	—	—
Chocolate Spread	1	—	1	—	—	—
Greasing Emulsion	1	—	1	—	—	—
Cake Extender	1	—	1	—	—	—
Baker's Cream Filling	1	—	1	—	—	—
Jellyettes	2	—	1	—	1	—
Cake Filling	1	—	1	—	—	—
Olive Oil	1	—	1	—	—	—
Energen Milk Pudding Powder ...	—	1	—	1	—	—
Energen Cocoa with Wheat Gluten	1	1	1	—	—	1
Energen Low Sugar Jam ...	1	—	1	—	—	—
Camphorated Oil	—	1	—	1	—	—
Coffee	—	1	—	1	—	—
Coffee and Chicory	—	1	—	1	—	—
Ammoniated Tincture of Quinine	—	1	—	1	—	—
Compound Liquorice Powder ...	—	1	—	1	—	—
Ground Ginger	—	1	—	1	—	—
Chellies	4	—	4	—	—	—
Egg Substitute Powder	1	—	1	—	—	—
Potato Crisps	5	—	5	—	—	—
Doughnuts	5	—	5	—	—	—
Currants	—	1	—	—	—	1
Wine Cocktails	3	—	3	—	—	—
Salad Cream	1	6	1	5	—	1
Pudding Powders	—	2	—	2	—	—
	86	17	84	14	2	3
	103		98		5	

OBSERVATIONS

Sample No. 15—Beef Sausages was deficient of 40 per cent. of meat. The vendors were prosecuted and fined £15.

Sample No. 31—Jellyettes was reported to contain 0.2 parts per million of Arsenic Oxide. *Sample No. 69*, Jellyettes from the same source as *No. 31*, was reported genuine.

Sample No. 40 (Informal)—Energen Cocoa with Wheat Gluten was reported to be deficient of 25 per cent. Carbohydrate, 19.3 per cent. Fat and 14.6 per cent. Calorific Value. *Sample No. 52*, Energen Cocoa with Wheat Gluten from the same source as *No. 40*, was reported genuine.

Sample No. 74 (Informal)—Currants were proved unfit for consumption and surrendered for destruction.

Sample No. 89 (Informal)—Salad Cream was reported unsatisfactory, contained 26.3 per cent. oil of which 5.4 per cent. was free fatty acid. Positive reaction for rancidity. *Sample No. 98*, Salad Cream from the same source as *No. 89*, was reported genuine.

Sample No. 79—T.T. Milk had a deficiency of 10 per cent. Fat. “Appeal to Cow” *Sample No. 80* also had a deficiency of 10 per cent. Fat. Subsequent samples from the same source, *Nos. 97* and *103*, were reported genuine.

SECTION E.

PREVALENCE AND CONTROL OVER INFECTIONS AND OTHER DISEASES.

PATHOLOGICAL EXAMINATIONS

			<i>Positive</i>	<i>Negative</i>	<i>Total</i>
Nose and Throat Swabs :					
Diphtheria Bacilli (K.L.B.)	...	—		70	70
Hæmolytic Streptococci	...	80		62	142
Staphylococcus Aureus	...	4		—	4
Vincent's Angina	...	1		67	68
Sputum :					
Tubercle Bacilli	...	28		81	109
Fæces :					
For Occult Blood	...	—		1	1
For Dysentery Organisms	...	4		—	4
For Food Poisoning Organisms		13		3	16

DISINFECTION

The following are particulars of disinfection of rooms and bedding after infectious or other diseases :—

			<i>Rooms.</i>	<i>Bedding.</i>
Scarlet Fever	...	...	42	42
Diphtheria	...	...	1	1
Tuberculosis	...	...	11	11
Acute Anterior Poliomyelitis	...		1	1
			—	—
			55	55
			—	—

Library books have been disinfected and returned for circulation.

Several lots of bedding have been destroyed on requests from the owners. When necessary, disinfectant was supplied.

The following table shows the incidence of infectious disease in the six wards of the City.

					<i>St.</i>	<i>St.</i>		
		<i>Bartonsham</i>	<i>Central</i>	<i>Holmer</i>	<i>Martins</i>	<i>Nicholas</i>	<i>Tupsley</i>	<i>Total</i>
Scarlet Fever	...	9	4	9	10	4	11	47
Diphtheria...	...	—	—	—	—	—	1	1
Cerebro-Spinal Fever		1	1	—	—	—	—	2
Pneumonia	...	—	5	3	—	1	1	10
Erysipelas	...	1	1	—	—	2	1	5
Puerperal Pyrexia		—	—	1	—	—	3	4
Measles	...	15	9	20	11	8	10	73
Whooping Cough	...	8	1	1	6	—	7	23
Ophthalmia								
Neonatorum	...	—	—	—	—	—	1	1
Poliomyelitis	...	—	1	1	1	1	—	4
Food Poisoning	...	1	—	—	2	—	—	3

TUBERCULOSIS

No action was necessary during the year under the Public Health (Prevention of Tuberculosis) Regulations 1925 (relating to persons suffering from Pulmonary Tuberculosis employed in the Milk Trade), or under Section 172 of the Public Health Act, 1936 (relating to the compulsory removal to Hospital of persons suffering from Tuberculosis).

NEW CASES AND MORTALITY DURING 1948

<i>Age Period</i>		<i>New</i>				<i>Deaths</i>			
		<i>Respiratory</i>		<i>Non-Respiratory</i>		<i>Respiratory</i>		<i>Non-Respiratory</i>	
		M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year ...	1	—	—	—	—	1	—	—	—
1—5 years ...	1	2	—	—	—	—	—	—	—
5—15 years ...	—	1	3	1	—	—	—	—	—
15—25 years ...	7	5	1	1	2	3	—	—	—
25—35 years ...	2	3	1	—	3	2	—	1	—
35—45 years ...	6	1	—	—	—	—	—	—	—
45—55 years ...	6	2	—	—	1	3	—	—	—
55—65 years ...	1	—	—	—	2	1	—	—	—
65 and upwards ...	—	—	—	—	—	1	—	—	—
Age unknown ...	2	—	—	—	—	—	—	—	—
Totals ...	26	14	5	2	9	10	—	1	—

PREVENTION OF BLINDNESS

No action has been taken under Section 176 of the Public Health Act, 1936.

OPHTHALMIA NEONATORUM

<i>Cases</i>			<i>Vision Unimpaired</i>	<i>Vision Impaired</i>	<i>Total Blindness</i>	<i>Deaths</i>
<i>Notified</i>	<i>Treated</i>					
	<i>At Home</i>	<i>In Hospital</i>				
1	—	1	1	—	—	—

SECTION F

NATIONAL ASSISTANCE ACT, 1948

Section 47

This section deals with the conditions under which aged and/or infirm persons are living.

Six cases were investigated during the year. In five of them arrangements were made, with the assistance of relatives or the Home Help Scheme, for the elderly people concerned to be properly cared for. In the remaining case, the person was removed to hospital, by consent.

NOTIFIABLE DISEASE (OTHER THAN TUBERCULOSIS) DURING 1949

Age	Scarlet Fever		Diphtheria		Poliomyelitis		Measles		Whooping Cough		Ophthalmia Neonatorum		Pneumonia		Erysipelas		Cerebro Spinal Fever		Puerperal Pyrexia		Food Poisoning	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
0 ...	1	...	...	...	...	...	2	3	4	3	...	1	...	...	...	...	...	...	...	...	1	1
1 ...	2	5	1	...	...	1	6	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...
3 ...	9	5	...	...	...	...	8	6	1	1	...	...	...	...	...	...	...	...	...	...	...	...
5 ...	6	10	...	...	...	...	20	20	5	4	...	...	...	...	...	...	...	...	...	...	...	...
10 ...	3	2	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15 ...	...	1	...	...	...	...	...	1	...	...	...	...	1	1	1	2	...	3	...	...	...	...
25 & over	...	3	...	...	1	1	...	1	...	...	...	...	5	3	1	2	...	1	...	...	1	...
Age unknown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	21	26	1	...	1	3	36	37	11	12	...	1	6	4	2	3	2	...	4	1	1	2
Hospital Cases ...	18	24	1	...	1	3	...	...	1	...	...	1	1	...	2	...	2	...	2	...	...	2
No. of Deaths ...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...

AGES IN YEARS

CAUSE OF DEATH		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 and up	M.	F.	T'l.
1.	Typhoid ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2.	Cerebro spinal fever...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3.	Scarlet Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4.	Whooping Cough ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5.	Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6.	Tuberculosis (pulmonary) ...	—	—	—	—	—	—	—	1	3	4	—	4	3	1	—	—	9	8	17
7.	Other forms of Tuberculosis ...	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	1
8.	Syphilitic disease ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9.	Influenza ...	—	—	—	1	—	—	—	—	—	—	—	—	3	1	—	1	5	6	11
10.	Measles ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11.	Acute poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12.	Encephalitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13.	Cancer of uterus, buccal cavity & oesophagus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14.	" stomach ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15.	" breast ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16.	" all other sites ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17.	Diabetes ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18.	Intra cranial, vascular lesions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19.	Heart disease ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20.	Other diseases of the circulatory system	1	—	—	—	—	—	—	—	—	—	—	7	16	30	22	6	22	19	37
21.	Bronchitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22.	Pneumonia ...	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23.	Other respiratory diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24.	Duodenal ulcer ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25.	Diarrhoea (under 2 years)	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26.	Appendicitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27.	Other digestive diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28.	Nephritis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29.	Puerperal sepsis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30.	Other maternal causes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31.	Premature births ...	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32.	Congenital Malformation	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33.	Suicide ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34.	Road traffic accidents	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35.	Other violent causes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36.	All other causes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS		15	—	—	1	—	5	—	2	5	7	11	27	53	95	113	31	188	177	365

